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FIFTH BIENNIAL REPORT

OF THE

STATE ENGINEER

TO THE

GOVERNOR OF COLORADO,

FOR THE

Years 1889 and 1890.

PART II.

PUBLISHED BY AUTHORITY.

FIFTH BIENNIAL REPORT

OF THE

STATE ENGINEER

TO THE

GOVERNOR OF COLORADO,

FOR THE

Years 1889 and 1890.

PART II.

DENVER, COLO.:
THE COLLIER & CLEAVELAND LITHOGRAPHING CO., PRINTERS.
1890.

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PLAT OF

IRRIGATED PORTION OF

WATER DISTRICT Nº 23

IN SOUTH PLATTE DIVISION (Nº 1),

STATE OF COLORADO.

Issued from the State Engineer's Office November 30th, 1890.

Prepared from the Report of Water Comissioner M.R.Hanlin.

REFERENCE.

1	Nilson
2	John Radford
3	East Side
4	Garden
5	Radford & Wright
6	Healy No 1
7	Thielberg
8	Healy No 2
9	Bradley
10	Platte Station
11	Sanderson Helfe No 5
12	Sanderson Helfe No 2
13	Robinson
14	Sanderson Helfe No 6
15	Sanderson Helfe No 4
16	Mikels
17	Sotromonte
18	Anderson No 2
19	Anderson No 3
20	Mellory Chapman
21	Ditch
22	Park
23	D F Miller No 1
24	Pearl Upper
25	Pearl Lower
26	Four Mile Creek
27	Bonnell
28	Spring Branch
29	Almstine
30	Reynor & Eaton No 1
31	Reynor & Eaton No 3
32	Reynor & Eaton No 2
33	Rogers
34	Four Mile
35	Brumlow & Stephens
36	Bentley No 2
37	Sanderson Helfe No 8
38	Thompson Radcliff
39	Burlingame
40	Burlingame No 2
41	Hubbard
42	Wenser No 2
43	Wenser No 3
44	Chappelle
45	Burlingame No 4
46	Wenser No 1
47	Foster Smart
48	Hubbard No 2
49	Nelson Hogh Creek
50	Rogers
51	Frankes
52	Farmeler & Shoemaker
53	Farmeler Shoemaker No 3
54	Farmeler & Shoemaker No 2
55	Hoover No 1
56	W R Head No 4
57	Hoover No 2
58	Hoover No 3
59	Salt Creek
60	Spring
61	Funk
62	Jefferson Lake
63	Randall & Nichols
64	Cimmamotta
65	Henry
66	Schaltinger
67	Denisch
68	Lofaco No 2
69	Chloe Gulch
70	Cutler
71	Lolack
72	Lasch
73	W H Wise
74	Hopson
75	Holthusen
76	Holthusen No 1
77	Fremont
78	Peabody No 2
79	Peabody
80	Peabody No 3
81	Gillett
82	Montague Town
83	Anderson & Brewer
84	McCartney
85	Posner
86	Dunbar No 1
87	Dunbar
88	Sealer
89	Hayland
90	Dunbar No 2
91	Truax Creek Reservoir
92	Shelton
93	Land No 1
94	Land No 2
95	Sigafoos
96	Guzman
97	Winkler No 2
98	Small
99	Elisha Alden
100	Pronce
101	Berry
102	Dudley
103	Alden & Milligan
104	Milligan
105	Reinhardt No 1
106	Reinhardt No 2
107	Reinhardt No 3
108	Donovan

REFERENCE.

109	Fehringer No 2
110	Colon
111	Reinhardt No 4
112	Hartzel Five Mile
113	Harris
114	Chubb
115	Beaver Gulch
116	Dead Man Gulch
117	Baker's Reservoir
118	Baker's Outlet
119	Baker
120	Baker Valley
121	Sheep Rock
122	Craig
123	Colley Head
124	Chubster
125	Another
126	Lafamer
127	W R Head
128	W R Head No 2
129	Barnes
130	W R Head No 3
131	Barnes & Seatons
132	Valles
133	Lower Manitou
134	Manitou
135	Simons
136	Randall
137	Joyner Wigginton Creek
138	Gibson
139	Taylor
140	Crozier & Taylor
141	Hawkshurst
142	Crozier & Hawkshurst
143	W H Miller
144	W H Miller
145	Roberts
146	Petrie
147	Link
148	Horiend Extension
149	Park Gulch
150	Harrington South
151	Mulligan
152	Farryall
153	Nill
154	McManus
155	Fehringer No 1
156	Thompson
157	Daniels Fyffe
158	Mayeran
159	Nairn or Nebet
160	Havenington & Richards
161	Fries
162	Richards Lower
163	Hot Springs
164	Pierce
165	Lee No 3
166	Lee No 4
167	Lee No 1
168	Lee No 2
169	Rutcliff No 8
170	Rutcliff No 9
171	Rutcliff No 7
172	Rutcliff No 6
173	Rutcliff No 2
174	Rutcliff No 3
175	Rutcliff No 5
176	Rutcliff No 4
177	Rutcliff No 1
178	Rock Creek No 1
179	Rock Creek
180	Dunbar No 2
181	Dunbar No 3
182	Trappe
183	Borden
184	Borden No 2
185	Mary 9 Borden
186	Hulet No 2
187	Hulet No 1
188	Parker & Bones
189	Hibbs & Parker
190	Western
191	Central
192	Devine Hill
193	Foster
194	Sadler
195	Big Springs
196	Chanell
197	Hopson No 1
198	Hopson No 3
199	Hopson No 2
200	J Pierce
201	Winkler No 1
202	Brookside
203	Park
204	Rogers North
205	Como Jim
206	Rogers South
207	Little Channel
208	Island
209	Weed
210	Weed
211	Lower Raynes
212	Basin of Poland
213	Last
214	Standeren
215	West
216	Gibbs

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2ND CORRECTION LINE SOUTH.

6TH GUIDE MERIDIAN WEST.

23

EL PASO CO.

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218	Andeesen	220	Mateer & Armstrong	222	Wadley No 2	224	C Brien	226	Stevens No 1	228	Sims	230	Love No 2	232	Love No 3

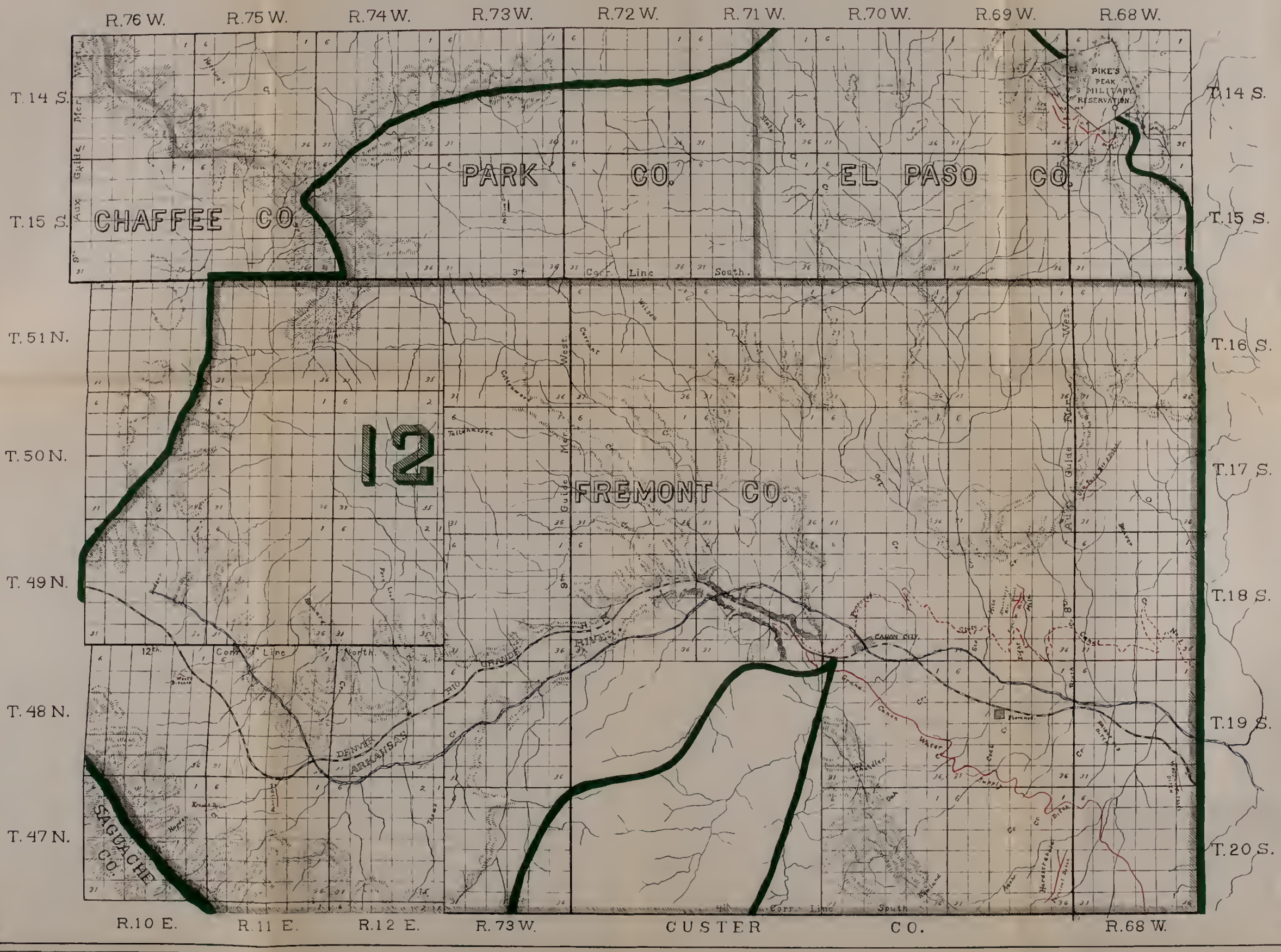
PLAT OF

IRRIGATED PORTION OF WATER DISTRICT No. 12.

ARKANSAS DIVISION (No. 2),

STATE OF COLORADO.

ISSUED FROM THE STATE ENGINEER'S OFFICE NOVEMBER 30th. 1890.



PLAT OF

THE ARKANSAS VALLEY

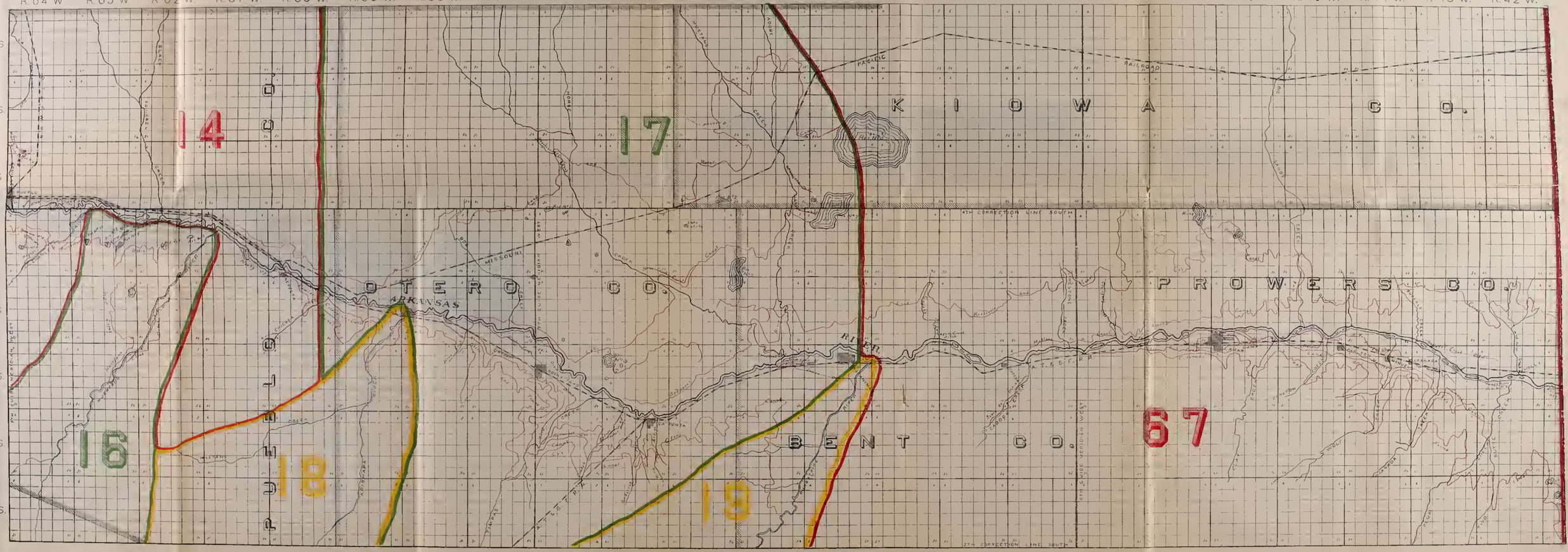
INCLUDING PORTIONS OF WATER DISTRICTS Nos 14, 16, 17, 18, 19 AND 67

IN ARKANSAS DIVISION (No 2),

STATE OF COLORADO.

Issued from the State Engineer's Office November 30TH, 1890.

Prepared from data on file in the State Engineer's Office



Map of
THE SAN LUIS VALLEY
BEING THE IRRIGATED PORTION OF
WATER DIVISION NO.3
STATE OF COLORADO

Issued from the
STATE ENGINEERS OFFICE
NOV. 30TH 1890

SAGUACHE
RIO GRANDE
CONEJOS
COSTILLA
ALAMOSA
SAN LUIS CREEK
SAN LUIS LAKES
SUMMIT
LA PLATA
MINERAL
HINSDALE
ARCHULETA
RIO ARRIBA
TAOS
COLFAX
LAS ANIMAS
HUERFANO
CUSTER
FREMONT
CHAFFEE
PARK
LAKE
EAGLE
PITKIN
GUNNISON
SAGUACHE
SAN JUAN
DOLORES
MONTEZUMA
LA PLATA
MINERAL
HINSDALE
ARCHULETA
RIO ARRIBA
TAOS
COLFAX
LAS ANIMAS
HUERFANO
CUSTER
FREMONT
CHAFFEE
PARK
LAKE
EAGLE
PITKIN
GUNNISON

27 25 20 21 24 35

Del Norte
Monte Vista
Alamosa
La Jara
Richfield
Conejos
San Luis
Garland City
Placer
Bonanza
Rio Culebra
Rio Trinchera
Rio Conejos
Rio Grande
Rio San Antonio
Rio Los Pinos
Rio Piedra
Rio Jaroso
Rio Costilla
Rio Grande del Norte
Rio Grande Canal
North Lateral
South Lateral
Union Ditch
10th Con. Line
9th Con. Line
Meadow Springs
Cuchara
Cuchara Mts.
Culebra Peak
Culebra Range
Sangre de Cristo Mts.
Sangre de Cristo Range
San Pedro Mesa
Trinchera Creek
Conejos River
Los Pinos River
Rio Grande Reservoir
Rio Grande Reservoir Co.
Rio Grande Canal
Rio Grande Canal Co.
Rio Grande Ditch
Rio Grande Ditch Co.
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T. 29 S.
T. 30 S.
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T. 1 N. R.
R. 5 E.
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10
R. 11 E.
73 W.
72 W.
72
71
70

NEW MEXICO

PLAT OF

IRRIGATED PORTION OF WATER DISTRICT No. 38.

GRAND RIVER DIVISION (No. 5.)

STATE OF COLORADO.

ISSUED FROM THE STATE ENGINEERS OFFICE NOVEMBER 30th, 1890.

REFERENCE.

1. Ballora Ditch
2. Bassett "
3. Buffalo "
4. Buck Farm "
5. E H "
6. Coulter-West Side Ditch
7. Crystal Lake "
8. C. & L. High Line "
9. Dearing "
10. East High Line "
11. Eggerton "
12. " No. 1 "
13. " No. 2 "
14. Findlay "
15. Gibson "
16. Grass & Sheds "
17. Gray Crystal "
18. Grain "
19. Hardwick "
20. Highland No. 2 "
21. High Line "
22. Home Supply "
23. Hughes "
24. Hunt Spring "
25. H. & C. "
26. H. & S. High Line "
27. Kramer "
28. Lake Park "
29. Lignite "
30. Lower Thompson "
31. Lower Grace "
32. Mann "
33. McDonnell No. 1 "
34. " No. 2 "
35. " No. 3 "
36. McKee "
37. Middle Grace "
38. M. J. "
39. Miller No. 1 "
40. " No. 2 "
41. Monmouth "
42. Needham "
43. Nesbell "
44. Nipple Reservoir "
45. Prior Ditch
46. Rubeton No. 1 "
47. " No. 2 "
48. Rose, Fox & Grand River "
49. Robertson "
50. Reardon "
51. Sloss "
52. Smith No. 1 "
53. " No. 2 "
54. Somers "
55. Southards-Cavanaugh "
56. Strong No. 1 "
57. " No. 2 "
58. Telfer Waste Water "
59. Thalman No. 1 "
60. Turpin "
61. Van Cleve No. 1 "
62. " No. 2 "
63. Waters "
64. Wathen "
65. West High Line "
66. West Side "
67. Williams No. 1 "
68. " No. 2 "
69. " No. 3 "
70. " No. 4 "
71. " No. 5 "
72. Yank Diversion "

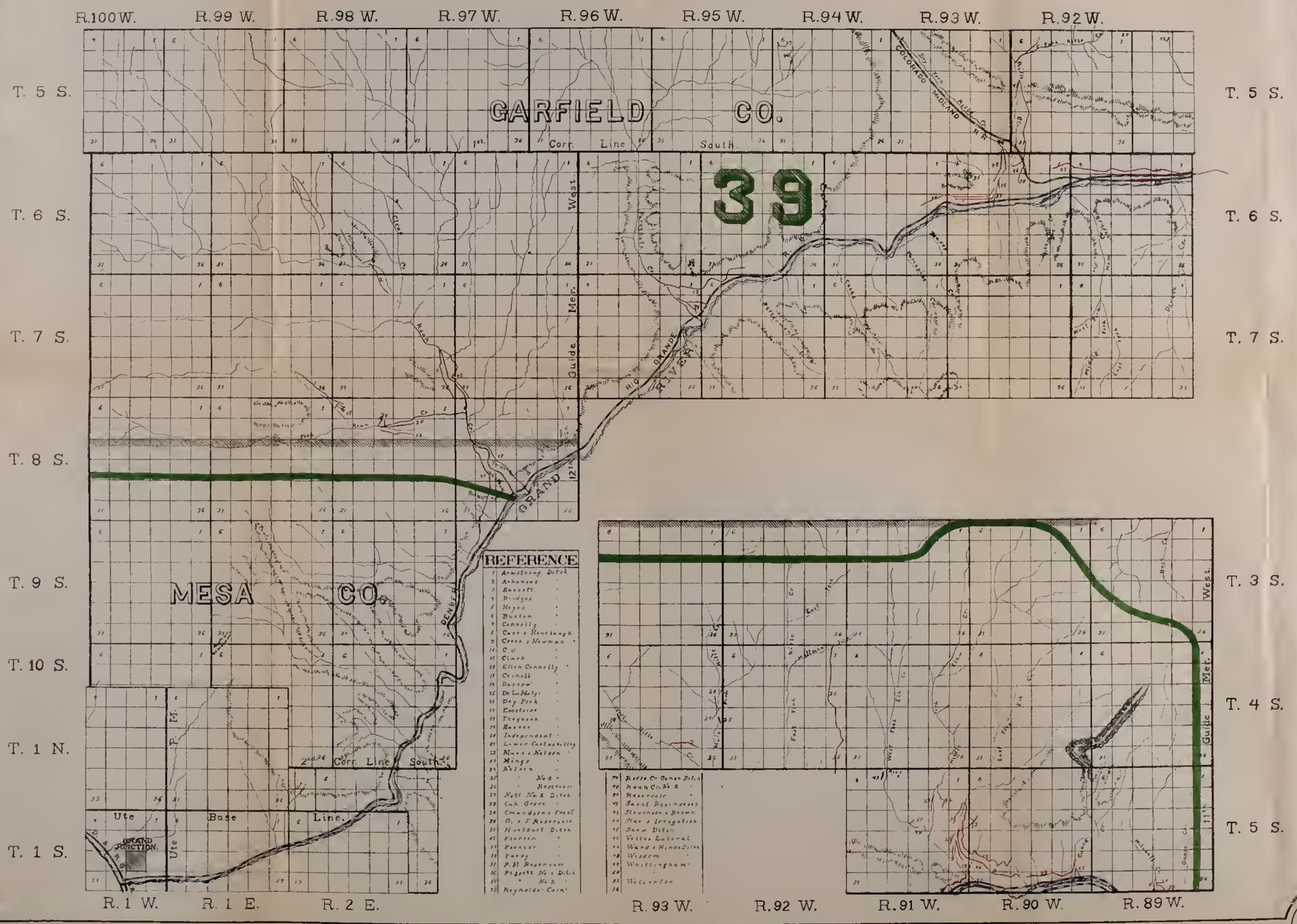
PLAT OF

IRRIGATED PORTION OF WATER DISTRICT No. 39.

GRAND RIVER DIVISION (No. 5.)

STATE OF COLORADO.

ISSUED FROM THE STATE ENGINEER'S OFFICE NOVEMBER 30th. 1890.



PLAT OF

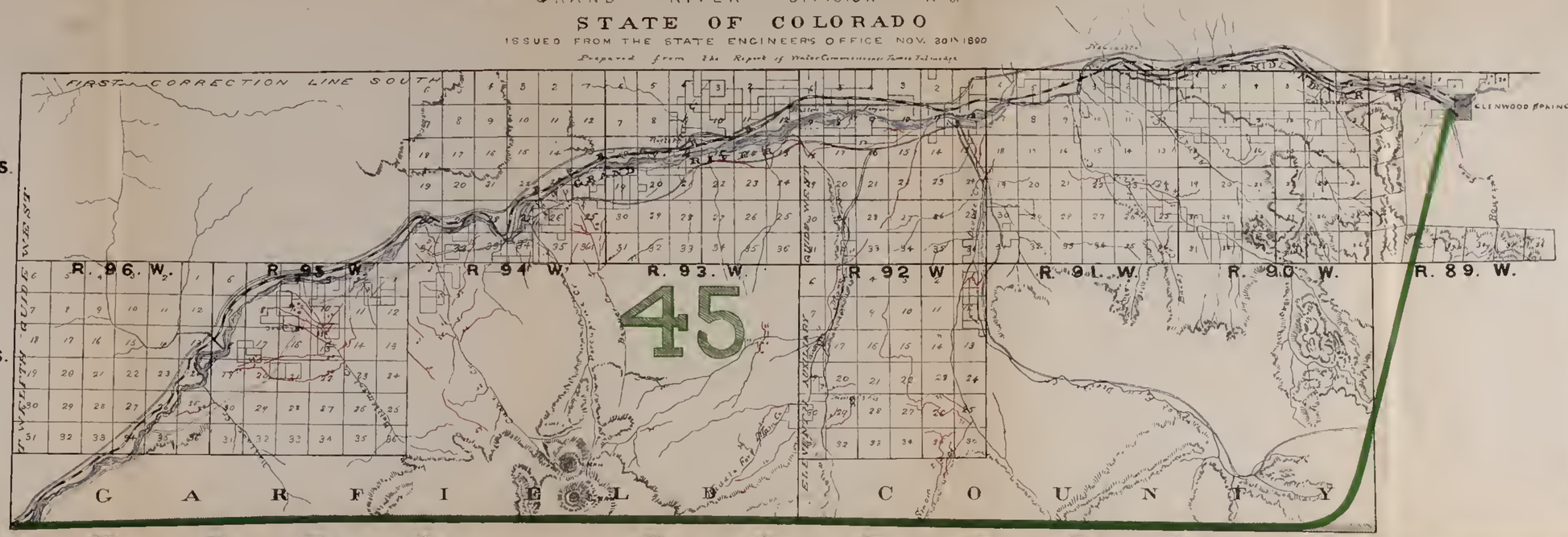
IRRIGATED PORTION OF WATER DISTRICT No. 45

GRAND RIVER DIVISION No. 5.

STATE OF COLORADO

ISSUED FROM THE STATE ENGINEER'S OFFICE NOV. 30 IN 1900

Prepared from the Report of Water Commissioner James Tallmadge



REFERENCE

1	The Murray & Hise Ditch	
2	" Grant	
3	" Hise	
4	" East Divide Creek	
5	" W. H. Reynolds	
6	" Clawson & Hise	
7	" Camp Bird	
8	" Clawson	
9	" Little Mamm	
10	" Don	
11	" Rattler	
12	" Clear Creek	
13	" Hissing Sun	
14	" Mamm Creek	
15	" Sharp	
16	" Hacado	
17	" Ward & Reynolds	
18	" Hunter & Grant	
19	" Buffalo	
20	" Houlton & Banta	
21	" Battlement	
22	" Harding & Bennett	
23	" Huntley	
24	" Taughenbaugh	
25	" Holmes	
26	" Tallmadge & Gibbons	
27	" J. A. Clark	
28	" Homestead	
29	" Porter	
30	" Upper Mamm Creek	
31	" Emmanuel Grant	
32	" Mail Divide Creek	
33	" Hudson & Sullivan	
34	" R. F.	
35	" Teape	
36	" O'Brien Feeder	
37	" [illegible]	
38	" Canary Bird	
39	" Stidney	

REFERENCE

40	The Spring Creek Ditch	
41	" Cottonwood Creek	
42	" Ward Dow & Taylor	
43	" Mackey Bird	
44	" Young Mackey & Otinger	
45	" Jay Bird	
46	" Hewitt & Milburn	
47	" Smith	
48	" Smith & Hive	
49	" Anderson	
50	" Mastenbrook	
51	" Hummingbird	
52	" Last Chance	
53	" Shutt	
54	" Cedar Grove	
55	" Hall	
56	" R. & A. G. Anderson	
57	" Marden & Kinnedy	
58	" O'Brien & Baumgartner	
59	" Cottonwood Feeder	
60	" Mc Donald	
61	" Reppler	
62	" Goodenough	
63	" Blue Bird	
64	" Beaver Creek	
65	" Mountain Sheep	
66	" None	
67	" Bernudy	
68	" Mail	
69	" Cedar Ridge	
70	" Clarkson	
71	" Dorado Creek	
72	" Professor Waite	
73	" Professor Mc	
74	" Professor Mc	
75	" Ward Extension	
76	" [illegible]	
77	" Mesa	
78	" Kennedy	

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

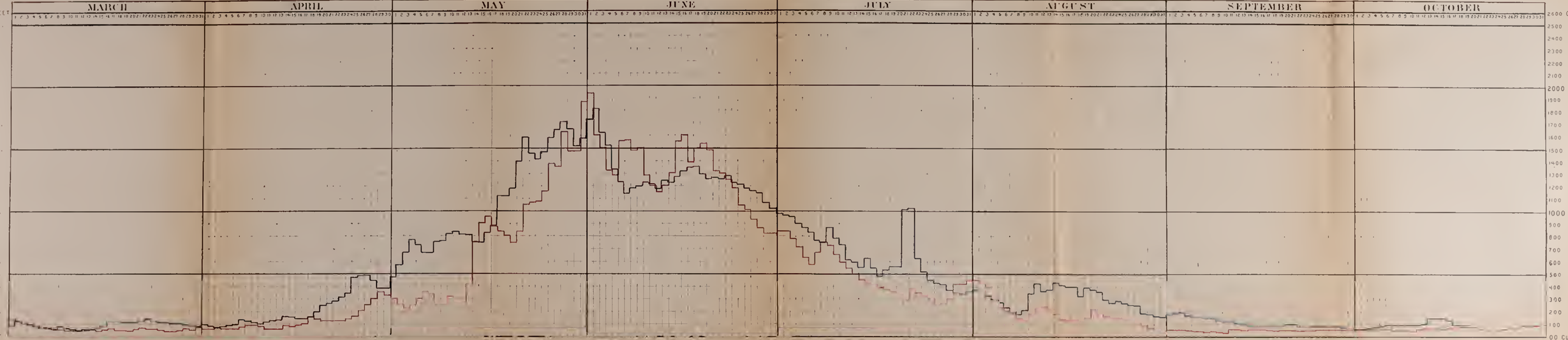
CACHE LA POUDRE RIVER

STATE OF COLORADO

For Seasons of 1889-1890

Represents 1889

1890



Represents 1889
1890

GRAPHICAL PRESENTATION

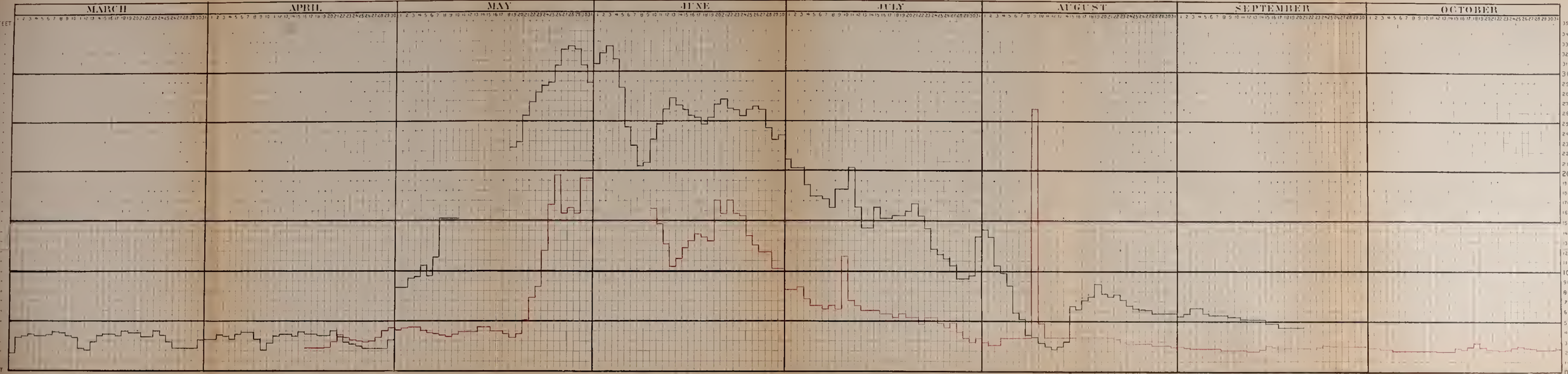
of the daily mean discharge, in cubic feet per second, of

THE ARKANSAS RIVER.

STATE OF COLORADO.

For Seasons of 1889 1890

Gauging Station No 2
Established on Arkansas River at Canon City May 8th 1889



GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, through cañon of

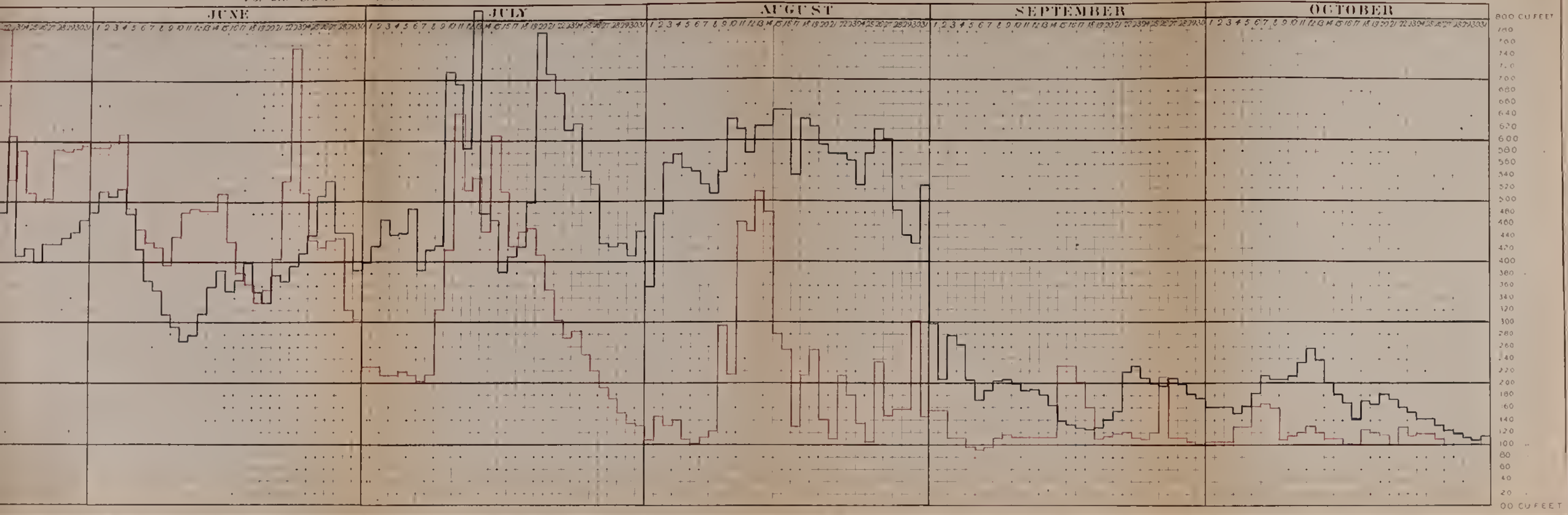
SOUTH PLATTE RIVER

STATE OF COLORADO.

For the Seasons of 1889-1890

Gauging Station No 3

Established on South Platte River July 12th 1887



Represents 1889
" 1890

GRAPHICAL PRESENTATION

of the daily mean discharge in cubic feet per second, passing Denver of

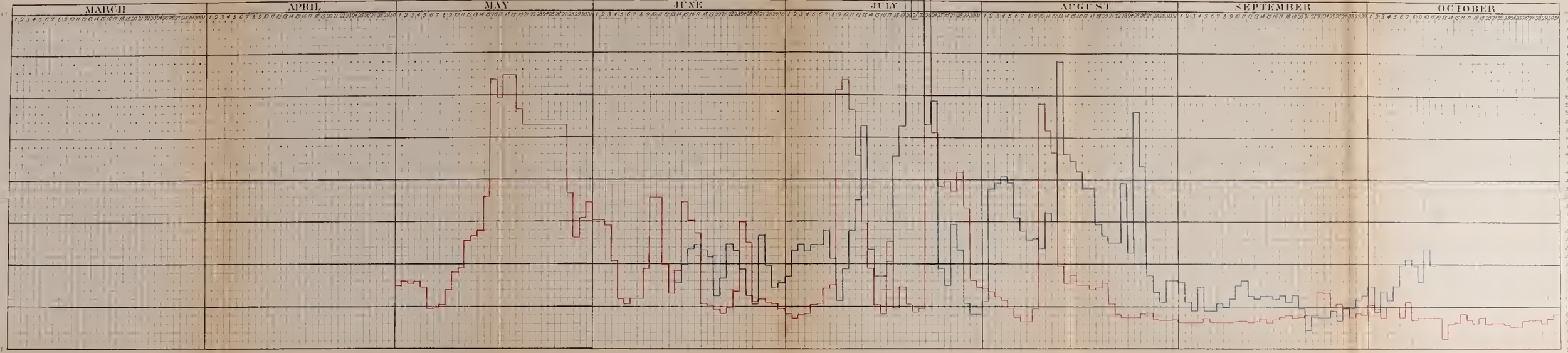
SOUTH PLATTE RIVER

STATE OF COLORADO.

For the Seasons of 1889-1890

Gauging Station No 93 B.

Established on South Platte River May 1st 1889



Represents 1887
" 1888
" 1889
" 1890

GRAPHICAL PRESENTATION

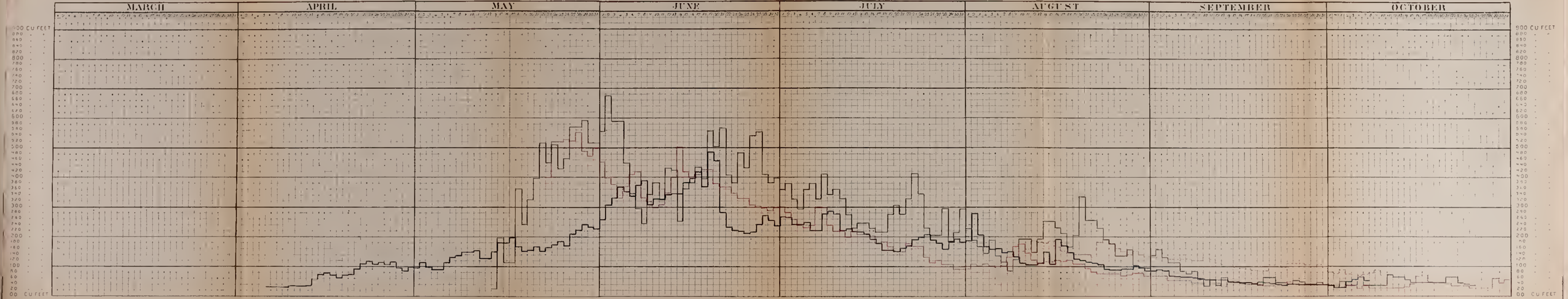
of the daily mean discharge in cubic feet per second, of

ST. VRAIN CREEK

STATE OF COLORADO

For the Seasons of 1887—1888 1889–1890

Gauging Station No 3
Established on St Vrain Creek July 9 1887



GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

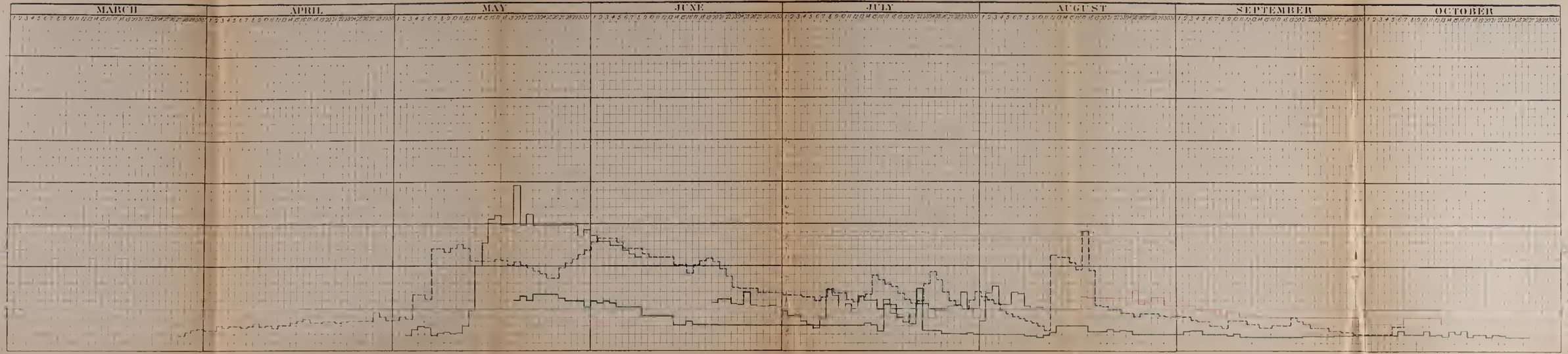
BEAR CREEK,

STATE OF COLORADO.

For the Seasons of 1887–1888–1889–1890

Represents 1887
" " 1888
" " 1889
" " 1890

Gauging Station N° 6
Established on Bear Creek Aug 17th 1887



GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

BOULDER CREEK

STATE OF COLORADO

For the Seasons of 1887–1888–1889–1890

Full line Represents 1887

1888

1889

1890

Gauging Station N°37

Established on Boulder Creek July 20th 1887

MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER

1200 CU FEET

00 CU FEET

Represents 1887
" 1888
" 1889
" 1890

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

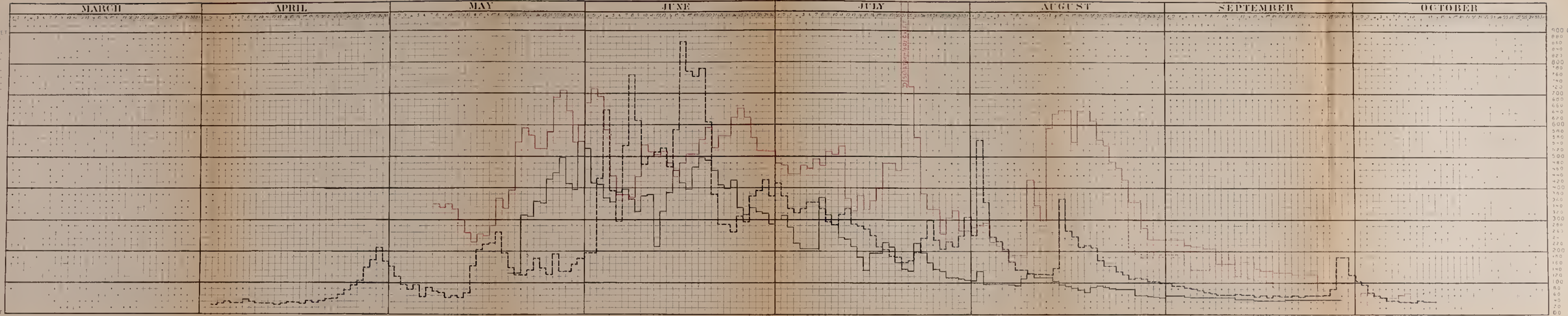
BIG THOMPSON CREEK

STATE OF COLORADO.

For the Seasons of 1887—1888 1889-1890

Gauging Station N°28

Established on Big Thompson Creek July 5th 1887



Represents 1888
" 1889
" 1890

GRAPHICAL PRESENTATION

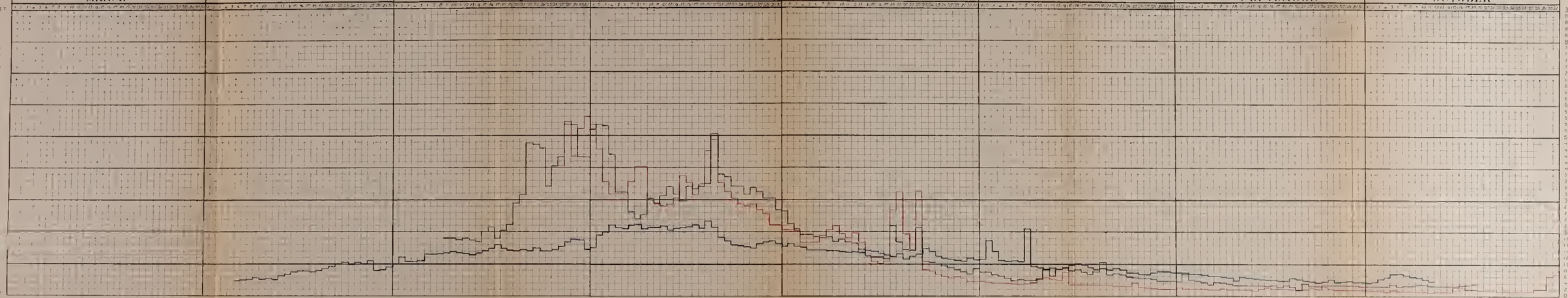
of the daily mean discharge, in cubic feet per second, of

SOUTH BOULDER CREEK

STATE OF COLORADO.

For the Seasons of 1888 1889-1890

Gauging Station N° 9
Established on South Boulder Creek, Apl 6th 1888



GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

THE RIO GRANDE DEL NORTE

STATE OF COLORADO.

For the Seasons of — 1889-1890

Represents 1890

Gauging Station Established at Del Norte

GRAPHICAL PRESENTATION

of the daily mean discharge, in cubic feet per second, of

THE UNCOMPAHGRE RIVER

STATE OF COLORADO

For the Seasons of 1890

Represents 1890

Gauging Station No 1

Established June 27th 1890